



ATTORNEY DOCKET NO. 03848-00093

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Janet A. Warrington et al.

Serial No.: 09/950,016

Filed: September 10, 2001

For: METHODS FOR DETECTING AND
DIAGNOSING ORAL CANCER

Examiner:

Group Unit: 1641

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.97-1.99, Applicants submit the references listed on the enclosed PTO form 1449. Copies of these references are enclosed. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. § 1.56 and is being filed before receipt of a first Office Action on the merits.

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. However, the references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. § 102 or § 103.

RECEIVED
APR 25 2002
TECH CENTER 1600/2900
MAY 16 2002
TECH CENTER 1600/2900

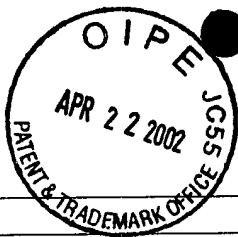


Please apply any charges or credits to Deposit Account No. 19-0733.

Respectfully submitted,

Dated: April 22, 2002

John P. Iwanicki, Reg. No. 34,628
BANNER & WITCOFF, LTD.
28 State Street, 28th Floor
Boston, MA 02109
(617) 227-7111



04-23-02

RECEIVED
APR 25 2002
TECH CENTER 1600/2900
PATENT

ATTORNEY DOCKET NO. 038480093

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Janet A. Warrington et al.

Serial No.: 09/950,016

Filed: September 10, 2001

Title: METHODS FOR DETECTING AND
DIAGNOSING ORAL CANCER

)
) Examiner:
)
) Art Unit: 1641
)
)
)
)

RECEIVED
MAY 16 2002
TECH CENTER 1600/2900

Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

In regard to the above identified application, we are transmitting herewith the attached:

1. Information Disclosure Statement,
2. Form PTO-1449,
3. Copies of fifty-seven (57) references, and
4. Return postcard.

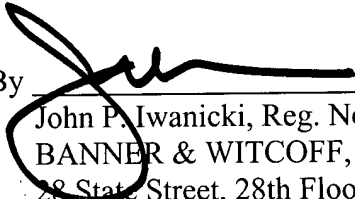
No fees are believed due. The Commissioner is hereby authorized to charge any additional fees to Deposit Account No. 19-0733.

Respectfully submitted,

Dated:

April 22, 2002

By


John P. Iwanicki, Reg. No. 34,628
BANNER & WITCOFF, LTD.
28 State Street, 28th Floor
Boston, MA 02109
(617) 227-7111

EV066773694US

RECEIVED

TECHNICAL CENTER 1600/2900

APR 25 2002

RECEIVED

TECHNICAL CENTER 1600/2900

USPTO Form 1449

U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No. 03848-00093

Serial No. 09/950,016

Applicants: Janet A. Warrington et al.

Filing Date: September 10, 2001

Group 1641

INFORMATION DISCLOSURE CITATION
Sheet 1 of 4

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	AA	5,143,854	09/01/92	Pirrung et al.	436	518	03/07/90
	AB	5,384,261	01/24/95	Winkler et al.	436	518	12/22/91
	AC	5,424,186	06/13/95	Fodor et al.	435	6	12/06/91
	AD	5,445,934	08/29/95	Fodor et al.	435	6	09/30/92
	AE	5,556,752	09/17/96	Lockhart et al.	435	6	10/24/94
	AF	5,631,734	05/20/97	Stern et al.	356	317	07/10/94
	AG	5,677,195	10/14/97	Winkler et al.	436	518	11/20/92
	AH	5,708,153	01/13/98	Dower et al.	536	22.1	06/07/95
	AI	5,733,729	03/31/98	Lipshutz et al.	435	6	09/14/95
	AJ	5,744,305	04/28/98	Fodor et al.	435	6	06/06/95
	AK	5,770,358	06/23/98	Dower et al.	435	6	09/16/92

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
	AL							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

	AM	Alizadeh et al., "Distinct types of diffuse large B-cell lymphoma identified by gene expression profiling," <i>Nature</i> , 403:503-511 (2000)
	AN	Alon et al., "Broad patterns of gene expression revealed by clustering analysis of tumor and normal colon tissues probed by oligonucleotide arrays," <i>Proc. Nat'l. Acad. Sci. U.S.A.</i> , 96:6745-50 (1999)
	AO	Barringer et al., "Blunt-end and single-strand ligations by <i>Escherichia coli</i> ligase: . . .," <i>Gene</i> , 89:117 (1990)
	AP	Fodor et al., "Light-Directed, Spatially Addressable Parallel Chemical Synthesis," <i>Science</i> , 251:767-772 (Feb. 14, 1991)
	AQ	Golub et al., "Molecular Classification of Cancer: . . .," <i>Science</i> , 286:531-537 (1999)
	AR	Guatelli et al., "Isothermal, <i>in vitro</i> amplification of nucleic acids by a multienzyme reaction modeled after retroviral replication," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 87:1874-1878 (1990)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE CITATION

Sheet 2 of 4

Applicants: Janet A. Warrington et al.

Filing Date: September 10, 2001

Group: 161

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (appropriate)
	BA 5,770,722	06/23/98	Lockhart et al.	536	25.3	06/13/98
	BB 5,789,162	08/04/98	Dower et al.	435	6	06/07/95
	BC 5,800,992	09/01/98	Fodor et al.	435	6	06/25/96
	BD 5,856,174	01/05/99	Lipshutz et al.	435	286.5	01/05/96
	BE 5,874,219	02/23/99	Rava et al.	435	6	04/09/96
	BF 5,922,591	07/13/99	Anderson et al.	435	287.2	06/27/96
	BG 5,981,956	11/09/99	Stern	250	458.1	05/15/97
	BH 6,013,440	01/11/00	Lipshutz et al.	435	6	03/10/97
	BI 6,013,449	01/11/00	Hacia et al.	435	6	11/26/97
	BJ 6,025,601	02/15/00	Trulson et al.	250	461.2	06/09/97

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
	BK						

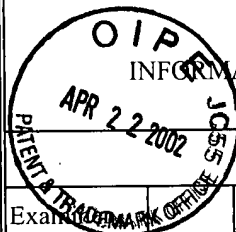
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

BL	Jourenkova-Mironova et al., "Glutathione S-Transferase <i>GSTM1</i> , <i>GSTP1</i> , and <i>GSTT1</i> Genotypes . . .," <i>Int'l. J. Cancer</i> , 81:44-48 (1999)
BM	Katoh et al., "Genetic Polymorphisms of Tobacco- and Alcohol-Related Metabolizing Enzymes and Oral Cavity Cancer," <i>Int'l. J. Cancer</i> , 83:606-609 (1999)
BN	Kwoh et al., "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format," <i>Proc. Natl. Acad. Sci U.S.A.</i> , 86:1173-1177 (1989)
BO	Landegren et al., "A Ligase-Mediated Gene Detection Technique," <i>Science</i> , 241:1077-1080 (1988)
BP	Leethanakul et al., "Gene expression profiles in squamous cell carcinomas of the oral cavity: . . .," <i>Oral Oncol.</i> , 36:474-483 (2000)
BQ	Lehninger, <i>Principles of Biochemistry</i> , pp. 793-800 (Worth Publishing, 1982)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.



RECEIVED RECEIVED
 APR 2 2002
 TECH CENTER 1600/2800
 TECH CENTER 1600/2800

INFORMATION DISCLOSURE CITATION

Sheet 3 of 4

Applicants: **Janet A. Warrington et al.**Filing Date: **September 10, 2001**Group: **1652002**

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	CA 6,033,850	03/07/00	Purvis	435	6	03/14/95
	CB 6,040,138	03/21/00	Lockhart et al.	435	6	09/15/95
	CC 6,040,193	03/21/00	Winkler et al.	436	180	08/04/98
	CD 6,043,080	03/28/00	Lipshutz et al.	435	287.2	12/11/98
	CE 6,045,996	04/04/00	Cronin et al.	435	6	08/16/96
	CF 6,050,719	04/18/00	Winkler et al.	366	144	02/27/98

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
	CG						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

CH	Lockhart et al., "Expression monitoring by hybridization to high-density oligonucleotide arrays," <i>Nat'l. Biotechnol.</i> , 14:1675-1680 (1996)
CI	Luo et al., "Gene expression profiles of laser-captured adjacent neuronal subtypes," <i>Nature Med.</i> , 5(1):117-122 (1999)
CJ	Mahadevappa and Warrington, "A high-density probe array sample preparation method using 10- to 100-fold fewer cells," <i>Nat'l. Biotechnol.</i> , 17:1134-1136 (1999)
CK	Marshall, "Tumor Suppressor Genes," <i>Cell</i> , 64:313-326 (1991)
CL	Ohyama et al., "Laser Capture Microdissection-Generated Target Sample for High-Density Oligonucleotide Array Hybridization," <i>Biotechniques</i> , 29(3):530-536 (2000)
CM	Palazzolo et al., "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Creo- <i>loxP</i> automatic plasmid subcloning," <i>Gene</i> , 88:25-36 (1990)
CN	Park et al., " <i>CYP1A1</i> and <i>GSTM1</i> Polymorphisms and Oral Cancer Risk," <i>Cancer Epidemiol. Biomarkers Prev.</i> , 6:791-797 (1997)
CO	Perou et al., "Molecular portraits of human breast tumors," <i>Nature</i> , 406:747-752 (2000)
CP	Redfern et al., "Conditional expression of a G _i -coupled receptor causes ventricular conduction delay and a lethal cardiomyopathy," <i>Proc. Nat'l. Acad. Sci. U.S.A.</i> , 97:4826-4831 (2000)

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.

RECEIVED
APR 2 5 2002
TECH CENTER 6001200
TECH CENTER 6001200
MAY 1 6 2002
TECH CENTER 6001200

INFORMATION DISCLOSURE CITATION

Sheet 4 of 4

Applicants: Janet A. Warrington et al.

Filing Date: September 10, 2001

Group: 1601

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
DA						
DB						
DC						
DD						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
DE							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

DF	Sato et al., "Genetic polymorphism of drug-metabolizing enzymes and susceptibility to oral cancer," <i>Carcinogenesis</i> , 20:1927-1931 (1999)
DG	Sgroi et al., "In Vivo Gene Expression Profile Analysis of Human Breast Cancer Progression," <i>Cancer Res.</i> , 59:5656-5661 (1999)
DH	Shillitoe et al., "Genome-wide analysis of oral cancer — early results from the Cancer Genome Anatomy Project," <i>Oral Oncol.</i> , 36:8-16 (2000)
DI	Tamayo et al., "Interpreting patterns of gene expression with self-organizing maps: Methods and application to hemotopoietic differentiation," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 96:2907-2912 (1999)
DJ	Warrington et al., "Large-Scale Genomic Analysis Using Affymetrix GeneChip® Probe Arrays," <i>Microarray Biochip Technology</i> , 6:119-148 (2000)
DK	Weinberg, "Tumor Suppressor Genes," <i>Science</i> 254:1138-1146 (1991)
DL	Wodicka et al., "Genome-wide expression monitoring in <i>Saccharomyces cerevisiae</i> ," <i>Nat'l. Biotechnol.</i> , 15:1359-1367 (1997)
DM	Wu and Wallace, "The Ligation Amplification Reaction (LAR) — Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation," <i>Genomics</i> , 4:560-569 (1989)
DN	Zhang et al., "Gene Expression Profiles in Normal and Cancer Cells," <i>Science</i> , 276:1268-1272 (1997)
DO	
DP	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.

 RECEIVED
 RECEIVED
 APR 25 2002
 MAY 16 2002
 ECH CENTER 1600/2900
 ECH CENTER 1600/2900